

December 28, 1973

25X1A5a1

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Re :
Generator

Gentlemen :

The following emergency generator load breakdown is given as requested:

Load	KVA	KW
Corridor and Exit Lighting	3.0	3.0
Receptacles room 105,06,07	1.5	1.5
Lighting room 105,07,07	7.0	7.0
Panel PP-1		
75 amperes @ 208 volt @ 50% demand	13.5	13.5
Panel PP-2	13.5	13.5
AC Unit #1	19.5	15.6
	58.0	54.0

Utilization voltage 3 Ø 120/208 Volt - 60 H.

The key to the generator sizing is found in Panel PP1 and PP2 loads. I have no criteria on the actual circuit loads or the total demand. The information given me indicates a requirement for 75 amperes for each panel. I have used this figure and an arbitrary demand of 50% maximum loading under emergency conditions. If the occupant wishes to use different values, the load figures can be readily adjusted up or down.

With the loads indicated herein a 75 KW 3Ø 120/208 volt generator would be the minimum size.

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Incidentally, the [REDACTED] Power & Light Company is going to install a pad mount transformer near the electric room and provide the Wye service we requested.

Very truly yours,

[REDACTED]

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RL0'D/bh